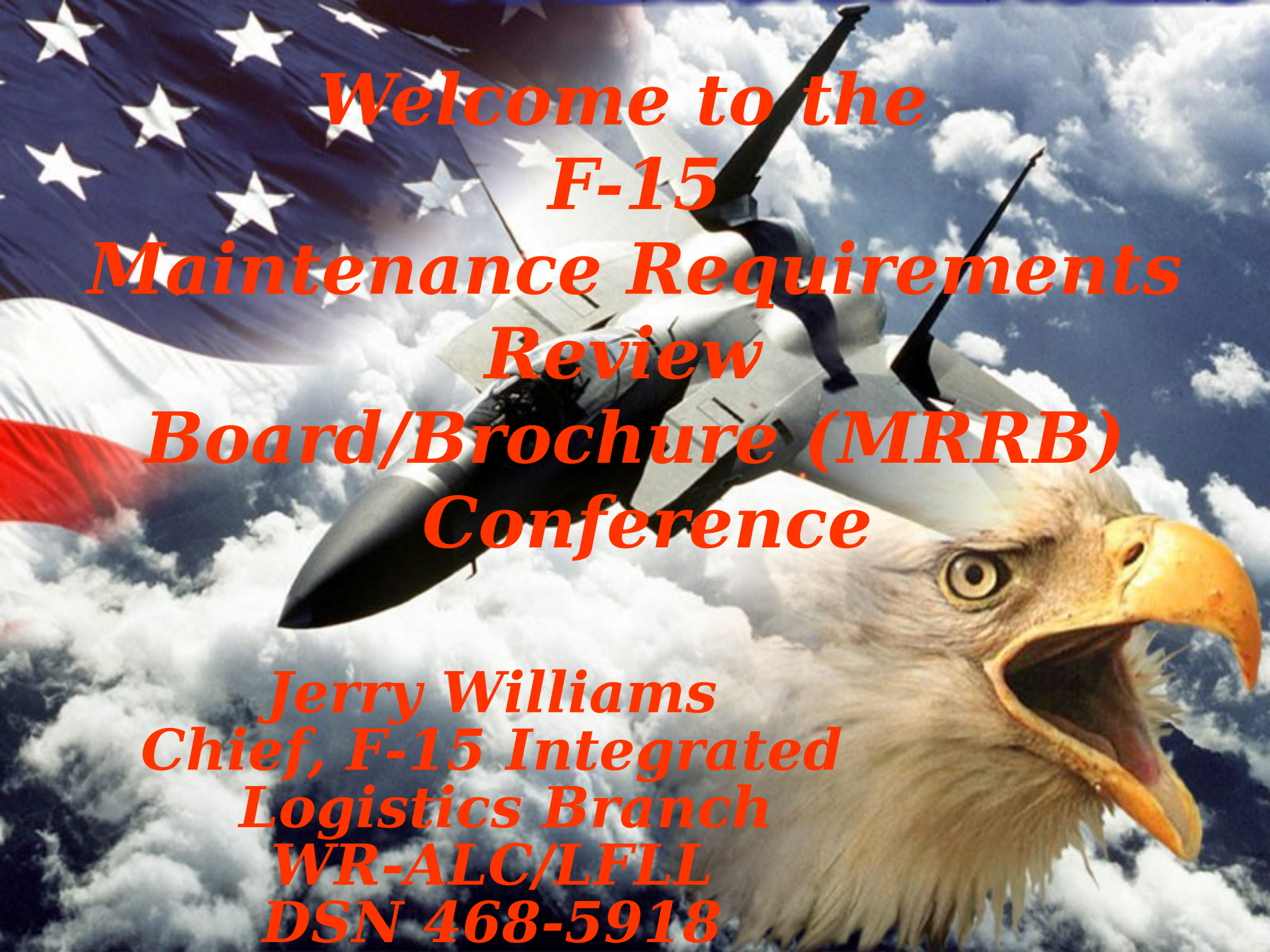

Welcome to the F-15 Maintenance Requirements Review Board/Brochure (MRRB) Conference

Jerry Williams
Chief, F-15 Integrated Logistics Branch
WR-ALC/LFLL
DSN 468-5918

Admin Remarks

- Welcome
- Admin Remarks
- Introduction - F-15 Deputy Director

Welcome
to the
F-15 MRRB
Conference
SUE DRYDEN
F-15 Production Division Deputy
Chief
WR-ALC/LFP
DSN 468-3671

Welcome
to the
F-15 MRRB
Conference
CMSgt Doug
Daniels
&
MSgt Lou Sirois

Introduction of F-15 MRRB Team Members

- **Introduction of Attendees**
- **Welcome to our new team members!**

F-15 MRRB Program

Gail Carroll
F-15 MRRB Program
WR-ALC/LFLL-1
DSN 468-6114

Overview

- Objective
- Background
- FY04 Schedule/Suspense Dates
- Open Action Item
- Update on MRRB database program
- Inventory Posture
- Force Structure, RCM and ASIP
- Aircraft Performance
- PDMSS
- Conformal Fuel Tank Workload
- Review of FY04 MRRB Database Program on Screen

Objective

- Review/negotiate with all F-15 representatives, major command representatives and MRRB AF members to discuss any additions/changes, that you may have to the F-15 MRRB FY2004 brochure in preparation for the Feb 01 review. Perform all tasks related to the building of the FY04 brochure for board approval.
- Review FY03, and FY02 for possible back-ins
- Validate hours and occurrence factors on all tasks

Background

- **The MRRB process provides for the development, review, validation, and approval of Depot Maintenance (DM) needs and intervals for Air Force aircraft and missile systems. It applies to all Air Force organizations requiring or performing organic and contractor weapon system.**
- **Requirements for DM service and programs are identified and planned through the development of the MRRB brochure. The brochure portrays the MRRB DM tasks required to maintain airworthiness for aircraft and missiles.**

Background (cont.)

- **It also includes Reliability Centered Maintenance (RCM), Programmed Depot Maintenance (PDM), Analytical Condition Inspection (ACI), Controlled Interval Extension (CIE), Aircraft Structural Integrity Program (ASIP) and Special Depot Requirements.**
- **The MRRB brochure is normally prepared two fiscal years (FY's) prior to the execution year. Brochure preparation begins right after the process meeting. Out-of-cycle requests may be generated in the current fiscal year.**

Background (cont.)

- **When the brochure is approved by the AF MRRB, the associated Direct Product Standard Hours (DPSH) are entered into the System and Equipment Modification/Maintenance Program (SEMMP), G079 data system.**
- **G079 uses only MRRB-validated weapon system man-hours to produce cost and schedule info for organic and contract work, and to build budget requirements for the DPEM Logistics Support Review (LSR) brochure.**

Background (cont.)

- **DMAG customers review this information during the LSR. The G079 product/report contains budgetary information for the current year (CY) and seven out-years.**
- **Approved requirements are incorporated into the responsible MAJCOMs Financial Plan, Program Objective Memorandum (POM), and Budget Estimate Submission (BES).**
- **F-15 Web Site: http://eaglenet.robins.af.mil/eaglebbs/MRRB/INDEX.HTM**
- **HQ AFMC MRRB Web Site: https://www.afmc-mil.wpafb.af.mil/HQ-**

FY04 MRRB Schedule

27-Jun-00	1300-1500	F-15 SPO FY04 MRRB Working Group Meeting - Kick-off Meeting	LF CR BLDG 300 Gail Carroll, LFLL-1
18-Jul-00	1300-1430	F-15 SPO FY04 Second MRRB Working Group Meeting	LFP CR BLDG 125 Gail Carroll, LFLL-1
25-Jul-00	N/A	F-15 SPO/MAJ COM Briefings due to LFLL-1 and registration to be completed. Briefing Template on the F-15 Web	Briefers & Gail Carroll, LFLL-1
27Jul 00	1300-1400	F-15 SPO FY04 Third MRRB Working Group Meeting	LF CR BLDG 300 Gail Carroll, LFLL-1
7 Aug-00	TBD	F-15 Dry-Run of MRRB Briefings	TBD Gail Carroll, LFLL-1
10 Aug-00	1400-1600	F-15 FY04 MRRB Executive Review to SPO Senior Managers	LF CR BLDG 300 ALL Briefers & Gail Carroll, LFLL-1
16 Aug 00 17 Aug 00	0800-1600 0800-1200	F-15 FY04 MRRB Conference	Ramada Inn WR Gail Carroll, LFLL-1 & ALL
17-Sep-00	N/A	F-15 Action Items from Conference due to LFLL-1	ALL & Gail Carroll, LFLL-1
1-Oct-00	N/A	F-15 Minutes to be Published/Emailed	Gail Carroll, LFLL-1
Oct – Dec 00	N/A	FY04 Brochure Preparation – Pull Schedules, and work all taskings	Gail Carroll, LFLL-1
17-20 Oct 00	TBD	AF Logistic Support Review (LSR) at WR-ALC (Review F-15 G079)	Location TBD Joyce Smith, LFPLW
15-Nov-00	N/A	F-15 FY04 MRRB Briefings (PAO Report, etc)	POCs & LFLL-1
*Dec-00	TBD	F-15 FY04 MRRB Executive Review to SPO Senior Managers for Approved Brochure – Prior to Release to AF MRRB	Location TBD Gail Carroll, LFLL-1
28 Dec 00	N/A	F-15 FY04 MRRB Approved Brochure to AF MRRB Members (CDs)	Gail Carroll, LFLL-1

FY04 MRRB Schedule

NLT 12 Jan 01	N/A	Suspense to AF MRRB Members for Receipt of Brochures	Gail Carroll, LFLL-1
13 –15 Feb 01	0830	AF MRRB Review of FY04 at WR-ALC	Location TBD Gail Carroll, LFLL-1
16 Feb 01	AM TBD	AF MRRB Outbrief at WR	CC CR – Bldg 215 LF/LFL/LFE/LFP
20-23 Feb 01	TBD	AF MRRB Review of FY04 at OC-ALC	OC-ALC
26-28 Feb 01	TBD	AF MRRB Review of FY04 at OO-ALC	OO-ALC
21-23 May 01	TBD	AF DPEM Process Meeting	OC-ALC
24-25 May 01	TBD	AF MRRB Process Meeting	OC-ALC
Jun 01	TBD	AF MRRB Database Subgroup Meeting Weapon System Subgroup Members Only	TBD

Open Action Items

- Open Action Item - Conformal Fuel Tank Workload
- ALL OTHER ACTION ITEMS WERE CLOSED AT THE MAY 2000 MRRB REVIEW

Update on MRRB Database Program

- **New On-line viewing version of Program to be tested - F-15's will be the beta tester - Board requested this new version**
- **F-15's to be the first in the Air Force to use and show the new on-line viewing MRRB program at the Feb 01 review**
- **AF MRRB database subgroup members from F-15's are: Gail Carroll/Secretariat, Billy Trussell/Technical Support and Robin Hamsley/Assistant**

F-15 Inventory Posture

Carl Sivils

Aircraft Inventory Manager

WR-ALC/LFLL-1

DSN 468-4238

Overview

- Total Inventory
- Active MSIP aircraft by Unit
- Assignments by MAJCOM
- Assignments by Unit
- Future Transfers/Transferred Aircraft
- Future Buys
- Summary

Total Inventory

TOTAL INVENTORY						
	A's	B's	C's	D's	E's	TOTAL
DELIVERIES	347	57	409	61	226	1100
AMARC	105	8	0	0	0	113
ISRAEL*	19	6	0	0	0	25
MUSEUM	36	2	0	0	0	38
SAUDI*	0	0	20	4	0	24
TRAINER	35	14	0	0	0	49
DRMO	6	1	0	0	0	7
ATTRITED	44	6	43	3	8	104
BAL/INVENTORY	102	20	346	54	218	740
*** SOLD FROM ACTIVE AIR FORCE INVENTORY**						

***FOR OFFICIAL USE ONLY*

Active MSIP Aircraft by Unit

ACTIVE MSIP AIRCRAFT BY UNIT						
UNIT	A	B	C	D	E	TOTAL
OTHER	0	0	0	0	0	0
1FW	0	0	71	6	0	77
102FW	17	1	0	0	0	18
125FW	17	2	0	0	0	19
131FW	16	1	0	0	0	17
142FW	16	2	0	0	0	18
154CW	16	2	0	0	0	18
159FW	16	1	0	0	0	17
173FW	1	6	10	2	0	19
18WG	0	0	50	4	0	54
3WG	0	0	45	4	0	49
325FW	0	0	52	26	0	78
33FW	0	0	50	4	0	54
366WG	0	0	19	1	0	20
412TW	1	0	1	2	0	4
46TW	1	1	2	1	0	5
48FW	0	0	24	2	0	26
57FW	0	0	18	2	0	20
85TES	0	0	4	0	0	4
TOTAL	101	16	347	54	0	517

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Assignments by MAJCOM

ASSIGNMENTS BY MAJCOM						
	A	B	C	D	E	TOTAL
ACC	0	0	162	13	132	307
AETC	0	0	52	26	0	78
AFMC	3	5	3	3	5	19
ANG	99	15	10	2	0	126
PACAF	0	0	95	8	24	127
USAFE	0	0	24	2	55	81
BOEING	0	0	0	0	2	2
TOTAL	102	20	346	54	218	740

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Assignments by Unit

ASSIGNMENTS BY UNIT

MAJCOM UNIT	A	B	C	D	E	ASGND	PAI A/B	PAI C/D	PAI E	BAI/AR A/B	BAI/AR C/D	BAI/AR E
ACC												
1FW	0	0	71	6	0	77	0	66	0	0	11	0
33FW	0	0	50	4	0	54	0	48	0	0	6	0
366WG	0	0	19	1	21	41	0	18	18	0	2	3
4WG	0	0	0	0	98	98	0	0	87	0	0	11
57WG	0	0	18	2	12	32	0	16	10	0	4	2
85TES	0	0	4	0	1	5	0	4	1	0	0	0
MAJCOM-TOT	0	0	162	13	132	307	0	152	116	0	23	16
AETC												
325FW	0	0	52	26	0	78	0	67	0	0	11	0
MAJCOM-TOT	0	0	52	26	0	78	0	67	0	0	11	0
AFMC												
OTHER	0	0	0	0	1	1	1	0	1	-1	0	0
412TW	2	4	1	2	2	11	6	3	2	0	0	0
46TW	1	1	2	1	2	7	2	2	2	0	1	0
MAJCOM-TOT	3	5	3	3	5	19	9	5	5	-1	1	0

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Assignments by Unit
(Continued)

								PAI			BAI/AR	
MAJCOM UNIT	A	B	C	D	E	ASGND	A/B	C/D	E	A/B	C/D	E
ANG												
102FW	17	1	0	0	0	18	15	0	0	3	0	0
125FW	17	2	0	0	0	19	15	0	0	4	0	0
131FW	16	1	0	0	0	17	15	0	0	2	0	0
142FW	16	2	0	0	0	18	15	0	0	3	0	0
154CW	16	2	0	0	0	18	15	0	0	3	0	0
159FW	16	1	0	0	0	17	15	0	0	2	0	0
173FW	1	6	10	2	0	19	5	10	0	2	2	0
MAJCOM-TOT	99	15	10	2	0	126	95	10	0	19	2	0
PACAF												
18WG	0	0	50	4	0	54	0	48	0	0	6	0
3WG	0	0	45	4	24	73	0	42	18	0	7	6
MAJCOM-TOT	0	0	95	8	24	127	0	90	18	0	13	6
USAFE												
48FW	0	0	24	2	55	81	0	24	48	0	2	7
MAJCOM-TOT	0	0	24	2	55	81	0	24	48	0	2	7
CAF TOTAL	102	20	346	54	**218***	**740***	104	348	187	18	52	29

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Future Transfers/Transferred Aircraft

TAIL NO	MODEL	FROM UNIT	TO UNIT	TRANSFER DATE
74-0108	A	18WG ABDR	DRMO	06/23/2000
97-0222*	E	Boeing	48FW	07/15/2000
98-0135*	E	Boeing	48FW	07/15/2000
76-0114	A	173FW	131FW	08/01/2000
86-0173	C	48FW	ATTRIT	08/03/2000

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Future Buys

- 3 F-15E aircraft in FY00 with an option for up to 2 additional ones
  - Configuration same as current USAF F-15E (E-226) except:
    - "Smart Weapons" capable aircraft
      - Incorporates Programmable Armament Control Set (PACS) upgrade
      - Suite 4E+ Software
    - Additional gridlock structure to replace aluminum/honeycomb (availability dependent)
    - Updated systems to address obsolescence
  - Deliveries scheduled to begin May 02

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Summary

- 740 F-15 active aircraft in the inventory
- 517 MSIP aircraft
- Future drawdowns TBD
- 3-5 F-15E aircraft in FY02
  (with additional 5 in work)

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BACK-UPS

Attrited Aircraft Totals

			F-15A:		44
			F-15B:		6
			F-15C:		42
			F-15D:		3
			F-15E:		8
TOTAL ATTRITED AIRCRAFT:					104

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Base List

ACC:
- 1 FW Langley AFB VA
- 33 FW Eglin AFB FL
- 366 WG Mt Home AFB ID
- 4 WG Seymour Johnson AFB NC
- 57 WG Nellis AFB NV
- 85 TEG Eglin AFB FL

USAFE:
- 48 FW RAF Lakenheath

PACAF:
- 18 WG Kadena AB OK
- 3 WG Elmendorf AFB AK

AETC:
- 325 FW Tyndall AFB FL
- 82 LSS Sheppard AFB TX

AFMC:
- Other (Classified)
- 412 TW Edwards AFB CA (Test)
- 46 TW Eglin AFB FL (Test)

ANG:
- 102 FW Otis AFB MA
- 125 FW Jacksonville FL
- 131 FW Lambert Field St Louis MO
- 142 FW Portland IAP OR
- 154 CW Hickam AFB HI
- 159 FW NAS New Orleans LA
- 173 FW Kingsley Field OR

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F-15 FY04 MRRB Conference

Billy R. Trussell
F-15 ASIP Manager
WR-ALC/LFEFS
DSN 468-5463
billy.trussell@robins.af.mil

Outline

- Force Structure Update
- Reliability-Centered Maintenance (RCM) Update
- Aircraft Structural Integrity Program (ASIP) Update

Force Structure Update

- Forecasted Fleet Inventory - End of F

As of 11 May 00

	A	B	C	D	E	TOTAL
Deliveries	347	57	409	61	231	1105
AMARC	106	11	0	0	0	117
FMS	19	6	20	4	0	49
Museum	36	2	0	0	0	38
Trainer	36	11	0	0	0	47
USAF Hold	0	0	0	0	0	0
DRMO	6	1	0	0	0	7
Attrited	44	6	43	3	8	104
Bal/Inventory	100	20	346	54	223	743

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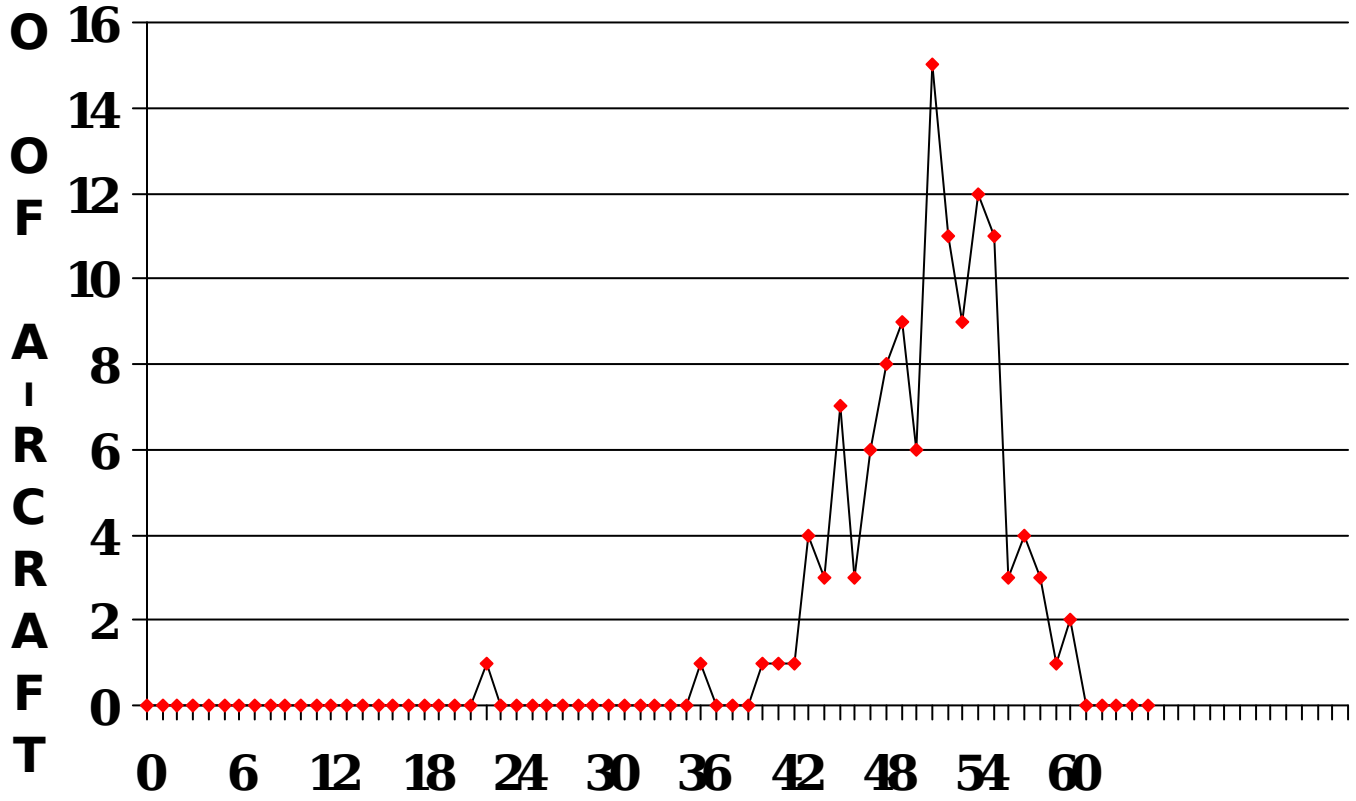
F-15 FLYING HOUR DISTRIBUTION

F-15A (102 ACFT)
Low Hours 2077
High Hours 5791
Avg Hours 4879

F-15B (20 ACFT)
Low Hours 4640
High Hours 5927
Avg Hours 5312

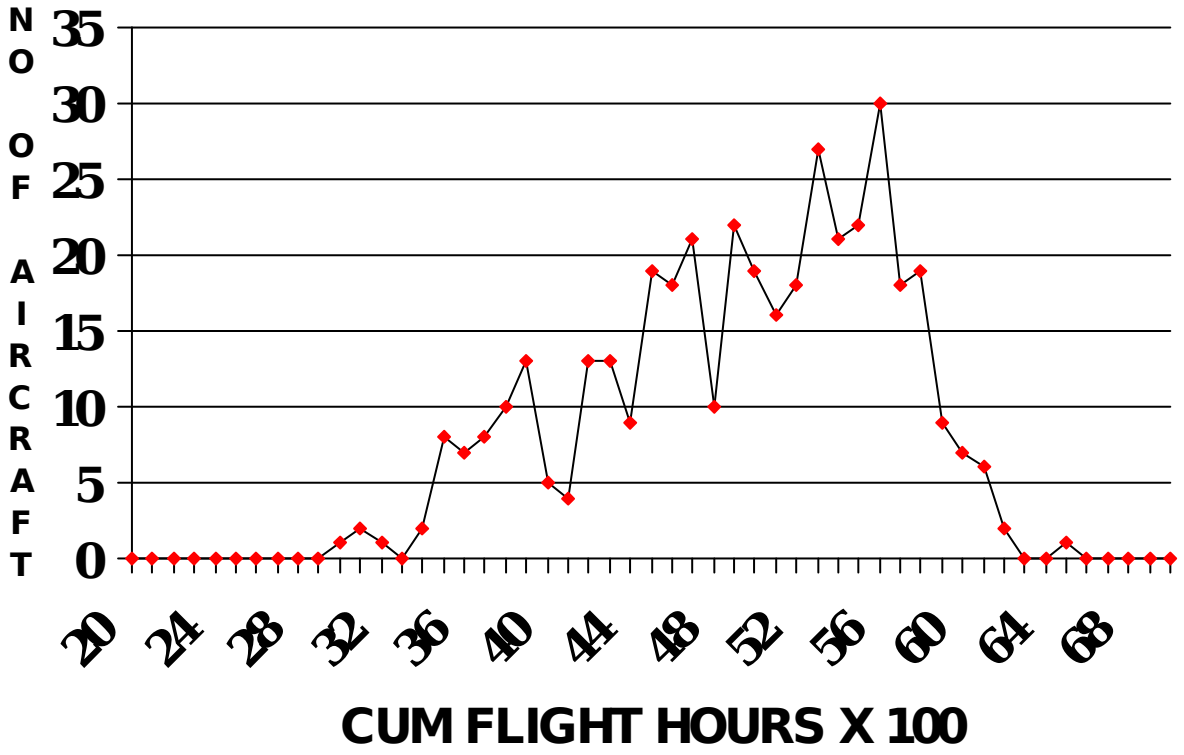


CUM FLIGHT HOURS X 100

As of May 31 00

F-15 FLIGHT HOUR DISTRIBUTION

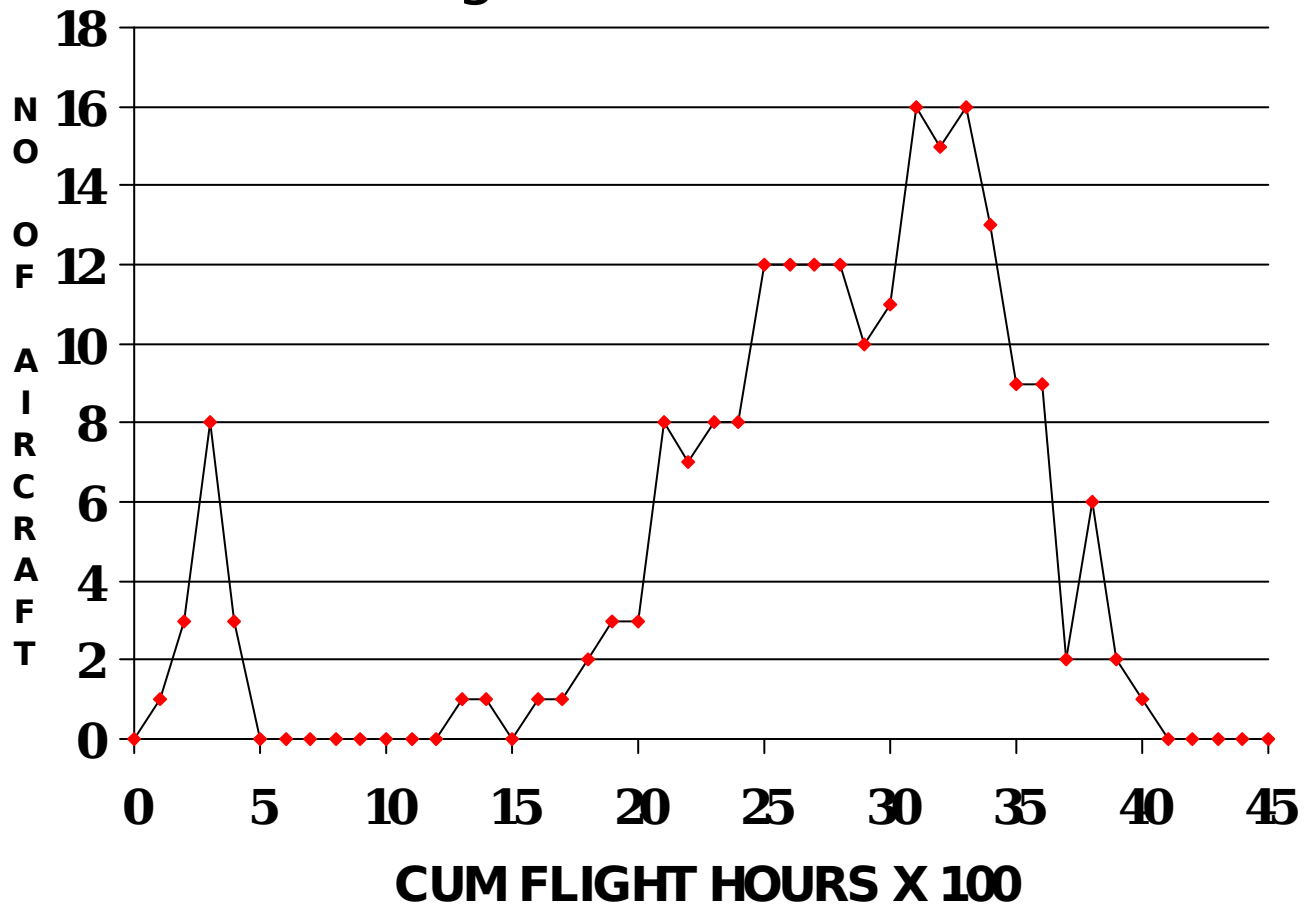
F-15C (347 ACFT)		F-15D (54 ACFT)	
Low Hours	2738	Low Hours	2938
High Hours	6136	High Hours	6385
Avg Hours	4826	Avg Hours	4784



As of May 31 00

F-15 FLYING HOUR DISTRIBUTION

F-15E 216 ACFT
Low Hours 37
High Hours 3859
Avg Hours 2606



As of May 31 00

Force Structure Update

- Possible Impacts to the MRRB requirements being reviewed at this year's meeting
  - New Tasks - 4 tasks
  - Back-ins
  - Aircraft Quantity

Reliability-Centered Maintenance (RCM) Update

- RCM Update Task Scheduled for FY01
  (Assuming EEIC 583 Funding Adequate)
- Last Computer Monitored Inspection Program (CMIP) Report - Jun 97
  - Five Volumes Each F15A/B/C/D & F-15E

ASIP Update

- Service Life Information
  - Original Design - 8000 flt hrs
  - New Fatigue Test - 18,800 flt hrs
    - Economic Service Life Defined
      - F-15A-E - >10,000 flt hrs
- IAT Critical Data Points/Locations
  - 52 Tracked locations
    - 9 Direct locations
    - 30 Transfer locations
    - 13 Deleted

ASIP Update (cont.)

IAT Locations (Deleted locations 22, 26-30, 33, 34, 40, 41, 45, 48, 49)

1 Wing to Fuselage Attach lugs (L&R)
2 Outboard Rear Spar Lower Flange (L&R)
3 & 4 Horizontal Stab Upper & Lower Plate (L&R)
5 Aileron Backup Structure Lower Skin at Rear Spar (L&R)
6 F.S 509 Forward Center Fuselage Upper Inboard longeron (L&R)
7 Vertical Stabilizer Torque Box Splice, Inboard and Outboard (L&R)
8 Wing Inboard Lower skin at Main spar and XW 106.8
9 Aft Center Fuselage F.S. 626.900 Bulkhead, Lower moldline cap and centerline
10 Aft Center Fuselage F.S. 595.900 Bulkhead, Lower moldline cap and centerline
11 Aft Center Fuselage F.S. 626.900 Bulkhead at Lower Tension cap
12 Aft Center Fuselage F.S. 749.000 Bulkhead upper outboard

ASIP Update (cont.)

IAT Locations (Deleted locations 22, 26-30, 33, 34, 40, 41, 45, 48, 49)

17 Wing Inboard Main Spar fuel drain holes (L&R)
18 Wing Inboard Torque Box Rear spar lower flange and seal groove (L&R)
19 Wing Inboard Torque Box Lower Skin at Pylon hole (L&R)
20 Wing Inboard Torque Box Intermediate & Main Spars upper flange seal groove (L&R)
21 Wing Outboard Torque Box Front spar lower flange at XW 169.5 (L&R)
23 & 24 Horizontal Stab Upper & Lower Skins at BL 89.27 (L&R)
25 Wing Inboard Torque Box Intermediate & Main Spars lower flange seal groove (L&R)
31 Aft Center Fuselage Lower inboard longeron at F.S. 509, Keel tension plate
32 Aft Center Fuselage F.S. 558.5 Bulkhead Tension cap
35 Wing Inboard Torque Box Intermediate & Main Spars lower aft skin at shoulder rib (L&R)

ASIP Update (cont.)

IAT Locations (Deleted locations 22, 26-30, 33, 34, 40, 41, 45, 48, 49)

37 &38 Wing Inboard Torque Box Main spar lower flange at XW 90 thru XW 108 and Intermediate spar lower flange at XW 83 thru XW 105 (L&R)

39 Wing Outboard Lower skin stringer no. 8 at surge tank hole, XW 167 (L&R)

42 Wing Outboard front spar wire bundle hole at XW 169.9

43 Wing Inboard Intermediate spar fuel drain hole at XW 67.4

44 Wing Inboard Main spar bracket fastener hole at XW 69.0

46 Conformal Fuel Tank (CFT) center attachment, lower F.S. 509 bulkhead (L&R)

47 Wing Inboard Torque Box lower aft skin at rear spar (L&R)

50 Aft Center Fuselage F.S. 626.900 Bulkhead web at intersection of Lower moldline cap and BL 50 (L&R)

51 Aft Center Fuselage upper inboard longeron at F.S. 558.000 joint (L&R)

52 Wing Outboard Torque Box lower aft skin at main and rear spars

ASIP Update (cont.)

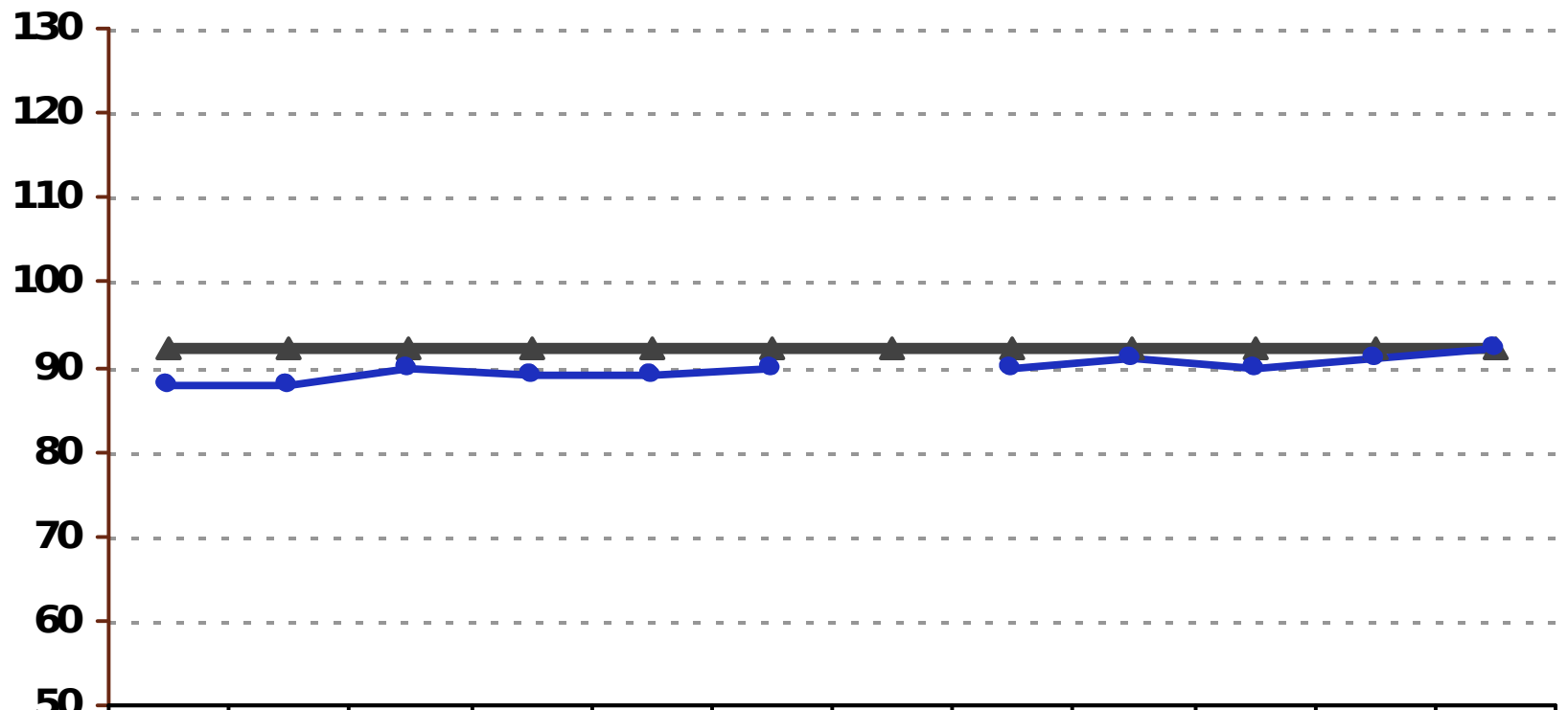
- ASIP Tasks Funding
  - Problem Areas Under Study
    - Counting Accelerometer
      - Obsolete in CY1996
    - Flight Loads Data Recorder Status
      - Tapes and Recorder Repairs
      - SDR - Obsolete in CY1996
        - Replacement Recorder
      - Standard FDR - On F-15E
        - Need OFP change

ASIP Update (cont.)

- Near-term Structural Concerns
  - ECS Ducts
  - Pylon Pivot Fitting
  - Pylon Rib & Main Fitting
  - Honeycomb Replacement with Gridlock

F-15
Aircraft
Performance
Sherry Bridges
Master Scheduler
WR-ALC/LFPLC
DSN 468-5910

Initial AMREP PDM Flowdays



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Init	92	92	92	92	92	92	92	92	92	92	92	92
Act	88	88	90	89	89	90	-	90	91	90	91	92

AMREP Extension PDM Flowdays

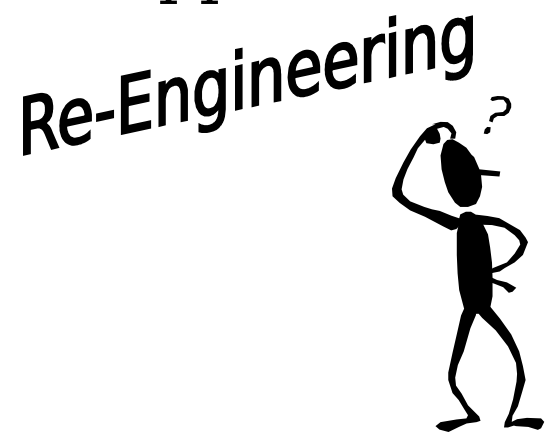
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Init	92	92	92	92	92	92	92	92	92	92	92	92
Adj	98	102	98	-	102	104	106	110	114	110	110	111
Act	88	98	98	89	93	101	105	107	112	105	109	109

F-15
PDMSS
Liane Benoit
Management
Analyst
WR-

AREP

Aircraft Repair Enhancement Program

- Establish Tail Number Project Schedule (PDMSS)
- Manload A/C on Multiple Shifts (PDMSS)
- Focus Support toward A/C Schedule (PDMSS)
- Forward Analysis of Material Support (PDMSS)
- Link A/C parts to Schedule



PDMSS

Standard System

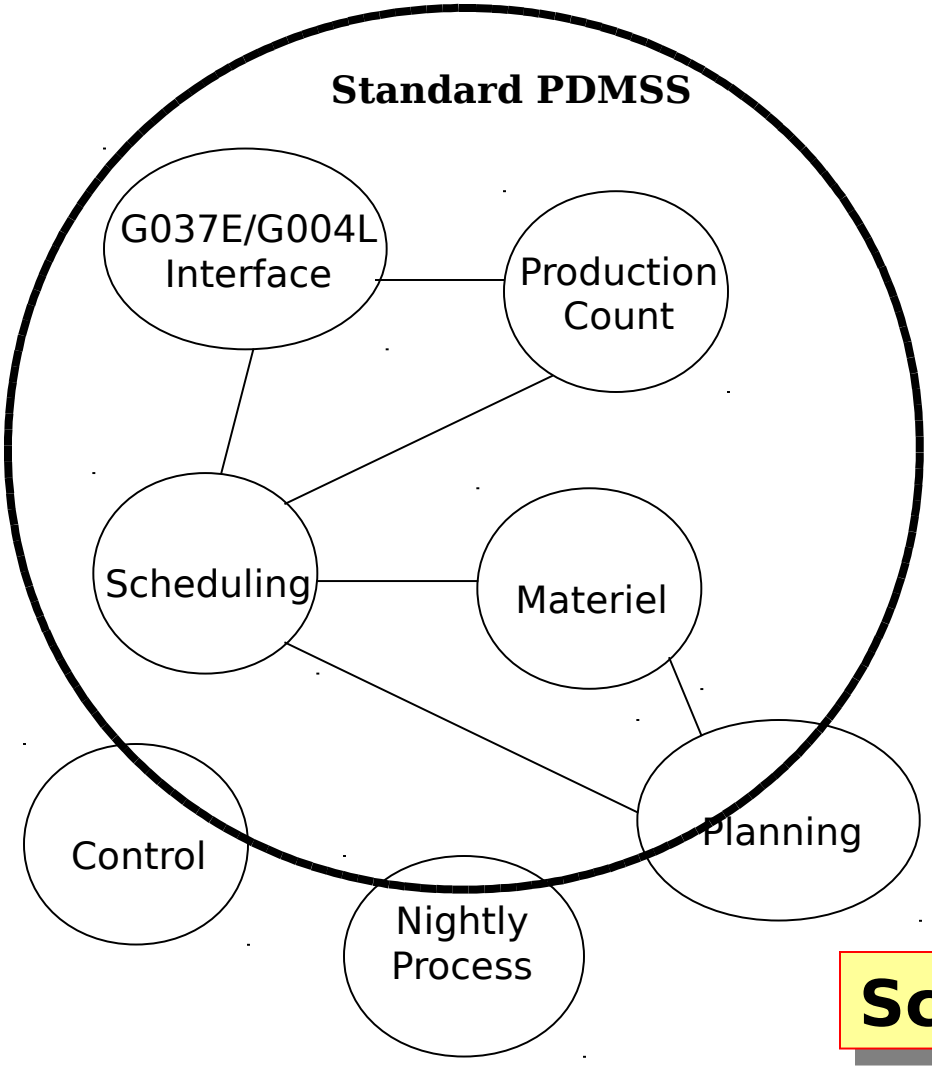
Programmed Depot Maintenance Scheduling System is the standard Air Force system for program management information

- Facilitates planning, resourcing, scheduling and tracking of major end items during depot maintenance at the Air Logistic Commands
  - Critical for AREP Implementation

- The heart of this system is the Critical Path Network
  - The network is the work plan for the project
  - All resources are tied to the network
  - Every report is based on network activities

PDMSS

Standard System



- Major Design Criteria
  - Modularity
  - Maintainability
  - Flexibility
- Functional Goal
  - repeatable processes
  - drill down visibility
  - consistent reporting

Schedule based supportabili

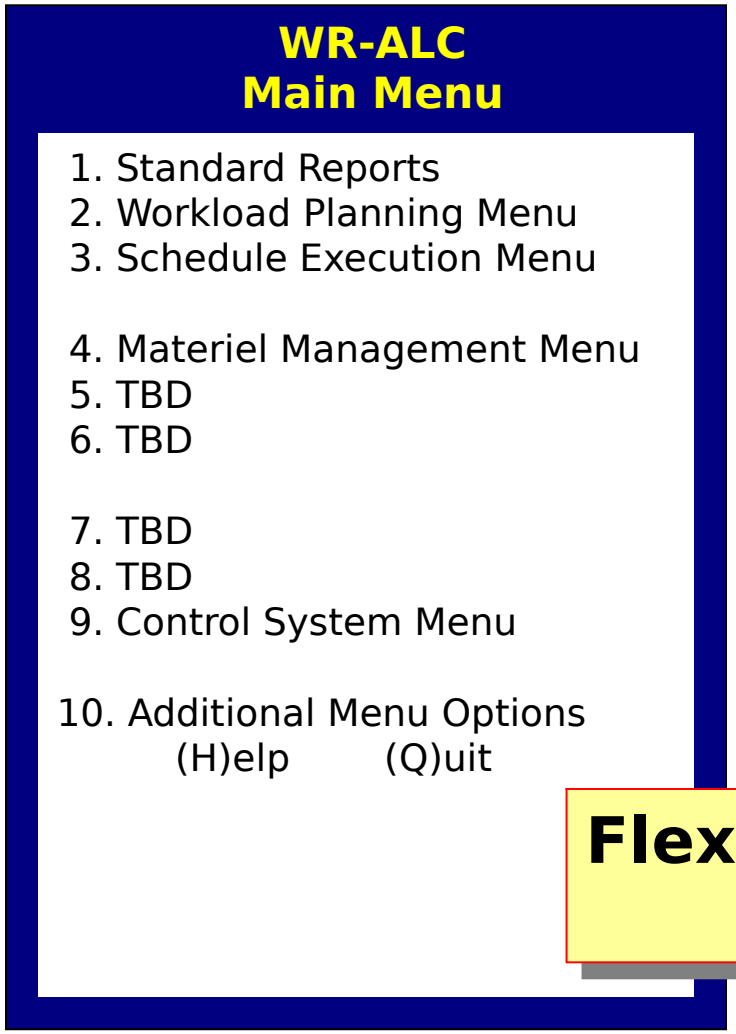
PDMSS

Standard Module Functionality

- **Planning**
  - input FY schedule
  - tailor schedule to work
  - baseline schedules
- **Scheduling**
  - track schedule progress
  - drill down visibility
  - rebaseline as necessary
- **Production Count**
  - status PDMSS networks
  - interface to G037E
  - maintain edit checks
- **Materiel**
  - schedule parts delivery
  - establish future reqm’ts
  - interface to G005M

PDMSS

Site Unique Functionality

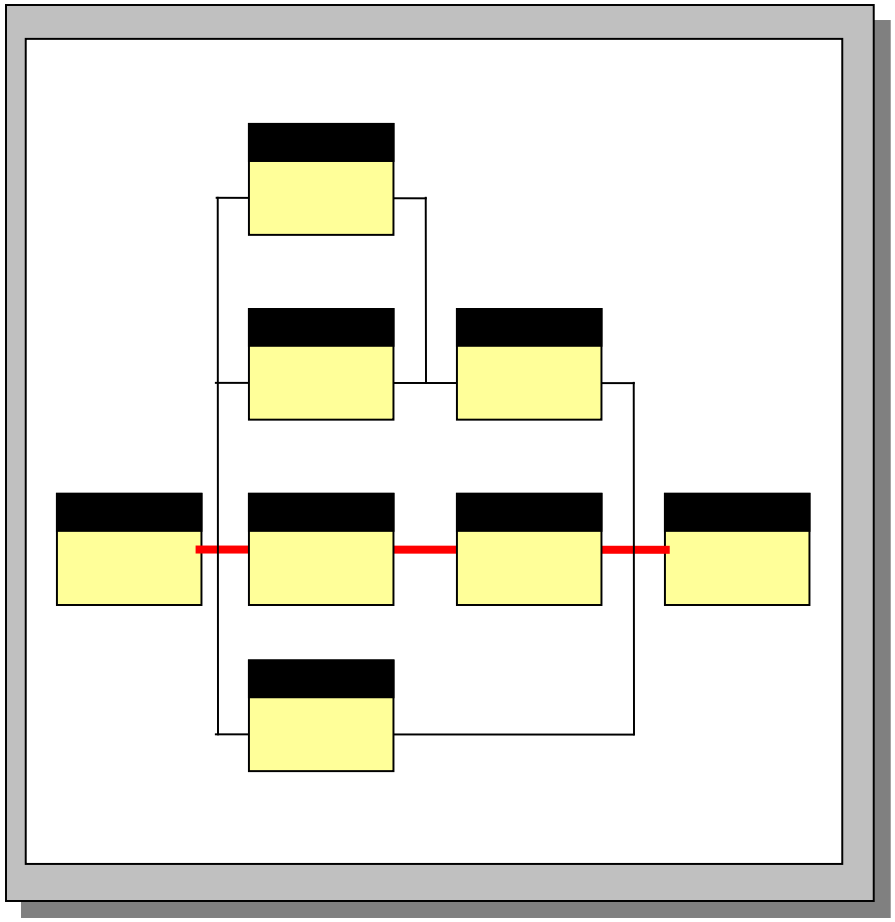


- Provides functionality not in standard system (ex: card printing, E&I operations)
- Tailor solution to the Product Directorate's needs
- Quickly "ramp-up" to handle unforeseen workloads (C-17)
- Site unique applications will be "web-enabled" in the future

Flexibility is the key to successful program management

PDMSS

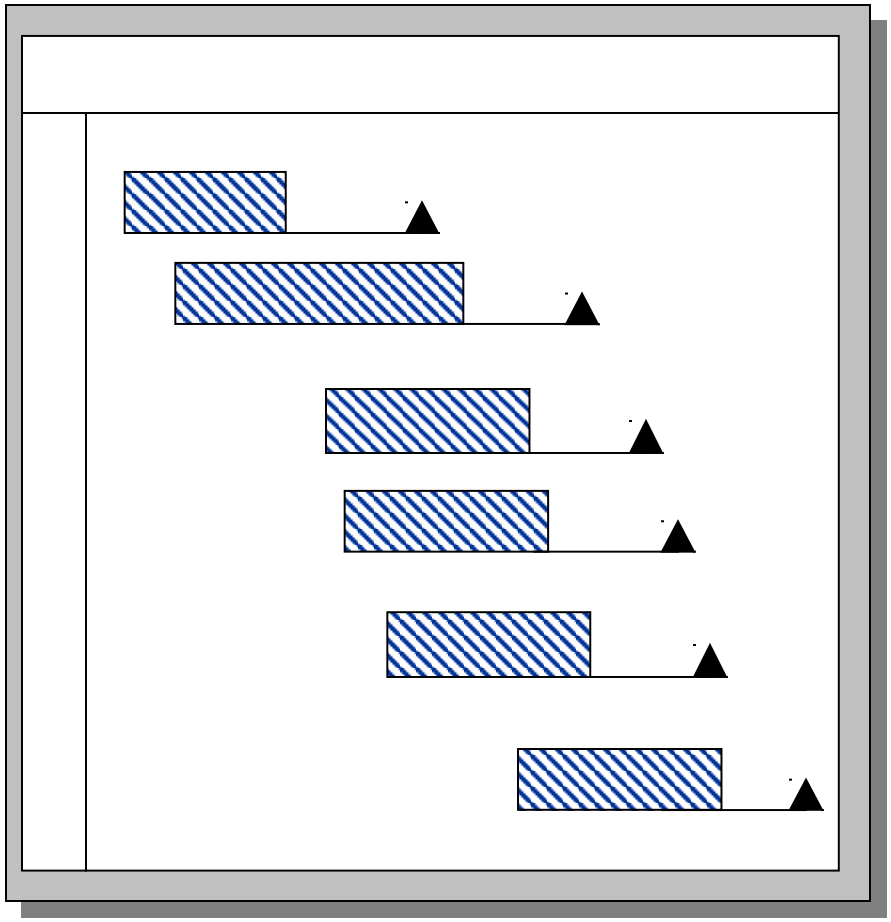
Critical Path Network



- Designed and maintained by a multi-skilled team in each weapon system
- Accurately represents the best estimate for efficient, on-time aircraft maintenance
- Must have ....
  - Realistic number of flowdays
  - Major jobs small enough to be managed
  - Critical path activities identified
  - operations correctly assigned to the right major job

PDMSS

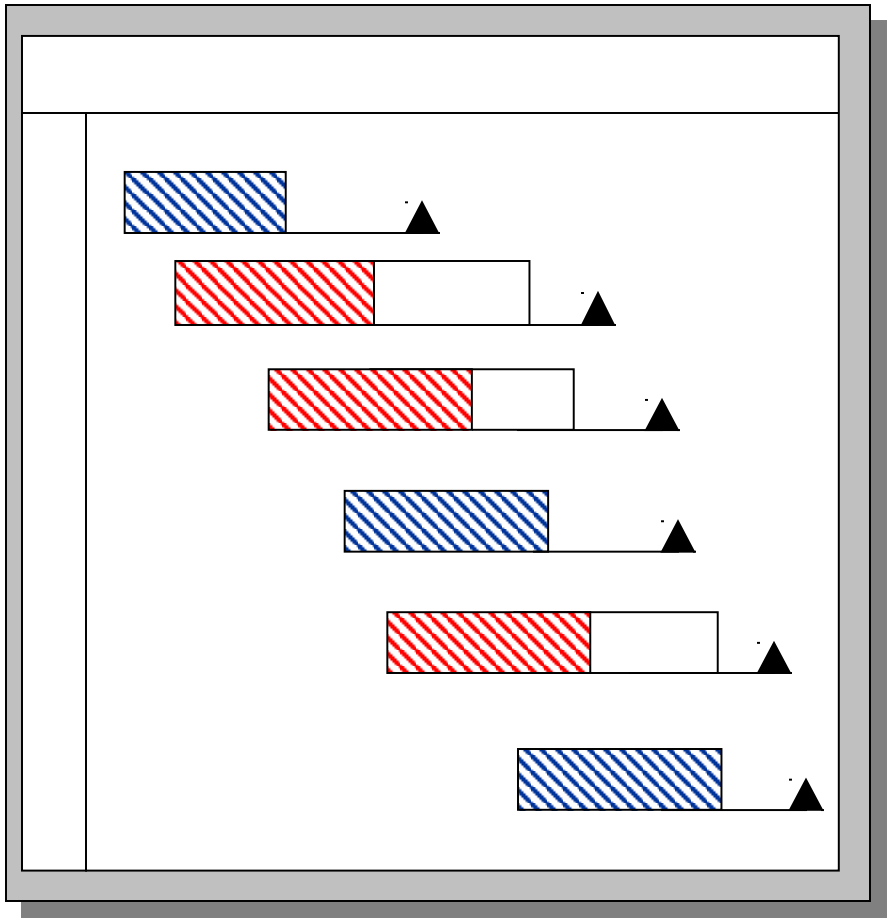
Schedule Discipline



- The closer you are to “the plan” the more accurate the PDMSS reports.
- PDMSS is flexible enough to allow for alternate completion paths on any major job except critical path jobs.
- All major jobs will become critical when they pass their late finish date.
- PDMSS does not complete any major job until all operations within the job are production counted

PDMSS

Problem Analysis

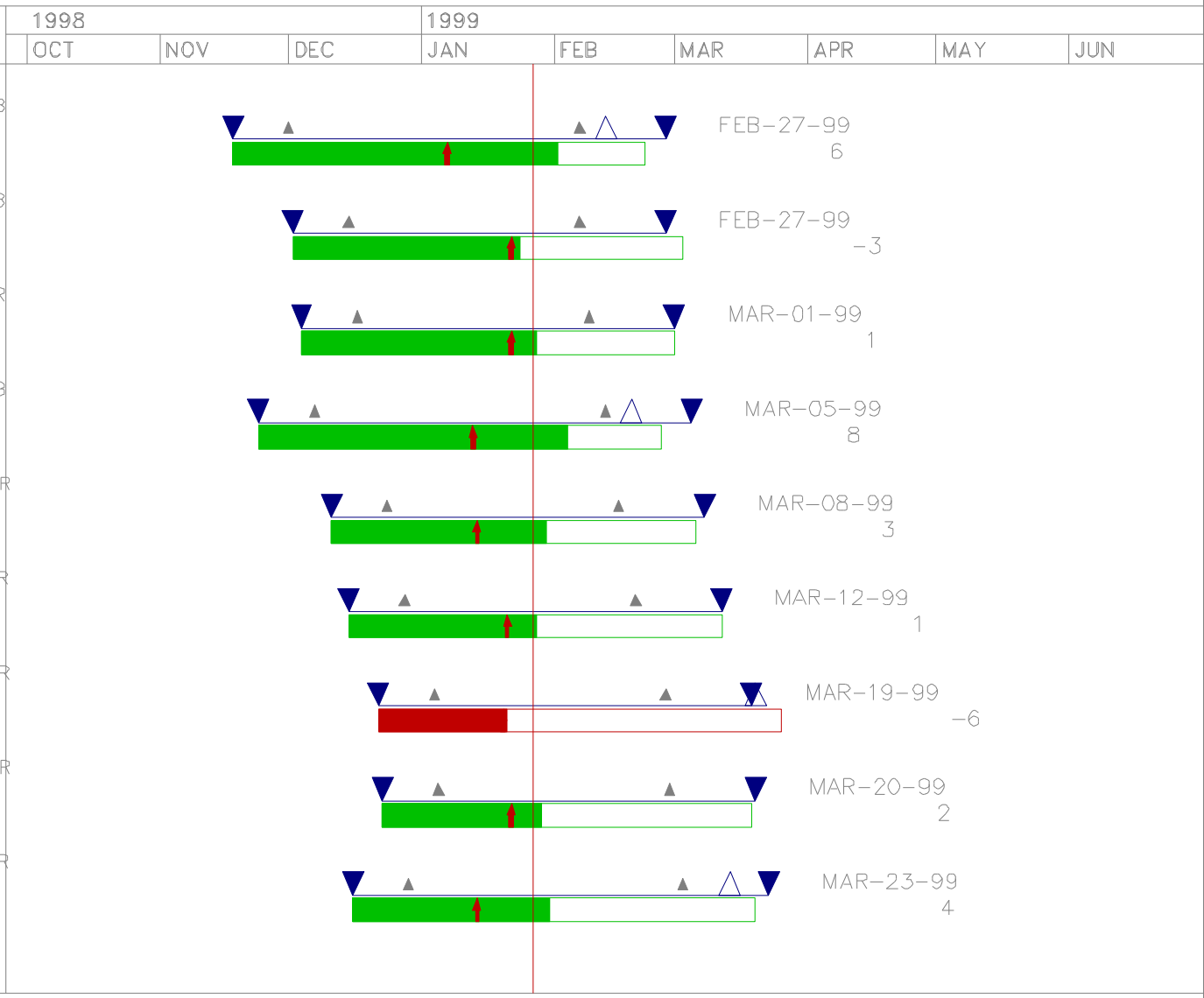


- PDMSS only reports how well the plan has been followed
- Projects are late because of...
  - Wrong critical path network
  - Not following schedule
  - Poor resource management
  - Unforeseen problems
- Networks should only be rebaselined when there are unforeseen problems that impact the critical path
  - everything else is under Depot control

CC-Level Management Chart

ALL — F-15 PDMSS AIRCRAFT STATUS — AS OF: 27-JAN

Tail No / FDays	JON / MDS	Br	Wk	%Flow Rq	%Cpath	Orig Output
82-0046	509			67%	50%	13-FEB
103	D	B	PDM			
91-0302	519			63%	59%	27-FEB
88	E	B	PDM/699			
91-0318	520			61%	57%	01-MAR
88	E	A	PDM/699			
80-0004	518			62%	50%	19-FEB
103	C	B	PDM/1019			
90-0262	521			53%	40%	08-MAR
88	E	B	PDM/699			
87-0194	522			48%	43%	12-MAR
88	E	A	PDM/699			
90-0234	523			40%	34%	19-MAR
89	E	A	PDM/ACI			
77-0067	524			39%	35%	20-MAR
88	A	B	PDM/ACI			
83-0037	508			42%	30%	13-MAR
99	C	B	PDM/1019			



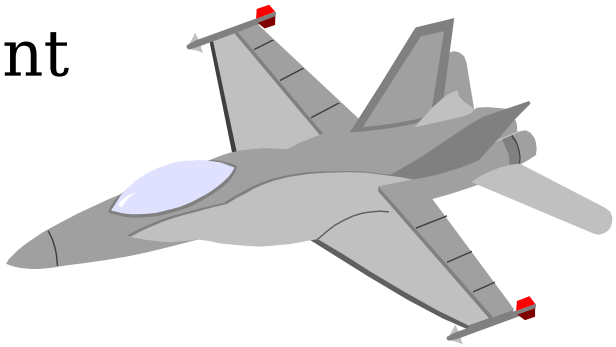
Schedule Complete
Projected Schedule
Planned Schedule
Original Planned Output
Critical Path Progression
Phase

Filename: cc_standup.dr

OPT

Operational Performance Tracking

- Tracks Actual Hours per Operation
- Tracks Direct /Indirect Labor
- Provides Upper Management Metrics
- Mechanics production count



F-15 Conformal Fuel Tank Workload

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Conformal Fuel Tank

- **What is the requirement**?

- To add Program Depot Maintenance (PDM) requirement for Conformal Fuel Tank (CFT) to all F-15 E aircraft during PDM cycle.

Conformal Fuel Tank

- What drives the requirement
  - Tanks have up to 10 layers of paint
  - Foam replacement 0f 12 -15 year approaching
  - Seals and other sealing surfaces need replacing
  - PACs and other CFT Modifications

Conformal Fuel Tank

100% Depot Tasks Required	**Time**	
Depaint CFT	32hours	
NDI	24hours	
Complete CFT assessment	240hours	100%
“O” ring change	40hours	
100% foam change	32hours	
Replace all door seals	24hours	
Pre-paint CFT	3hours	
Prime CFT	8hours	
Paint CFT	8hours	
Stencil CFT	4hours	
Return CFT to A/C		

Total projected hours for TI415 hours

*** *(830 hours per aircraft)****

Conformal Fuel Tank

- Items requiring Occurrence factors
  - Cracked Fairings
  - Door Hinges and Latches
  - Mounting points
  - Recondition weapons wiring

Conformal Fuel Tank

Depot Timeline	**Est Date**
Proto-Type CFT Depaint	Comp
ACI One Ship Set	Nov 00
Define Requirement	Jan 01
Lay-in Repair parts	In process
Start Depot Repair	FY02?

Conformal Fuel Tank

Program Risks	Risk Rating
– Lack of Support Equipment	High
– First year learning curve	Low
– Parts supportability	Moderate
– Repair Flow Days	Moderate
– Additional PDM Req.	High

Conformal Fuel Tank

- Summary
  - Applies to “E” models only
  - Need to begin some type of CFT PDM effort
  - Requirement not Clearly defined
  - Need to back in 02 requirement

F-15 MRRB Database Program Brochure Review On-Screen